

Product datasheet for **SC111930**

ELF5 (NM_001422) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELF5 (NM_001422) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELF5
Synonyms:	ESE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_001422 edited
GAATTCGGCAGGAGGGTGTCTTTATTTCCACTGCACGCTGGTGTGGGAGCGCCTGCCTT
CTCTTGCCTTGAAAGCCTCCTCTTTGGACCTAGCCACCGCTGCCCTCACGGTAATGTTGG
ACTCGGTGACACACAGCACCTTCTGCCTAATGCATCCTTCTGCGATCCCCTGATGTCGT
GGACTGATCTGTTGAGCAATGAAGAGTACTACCTGCCTTTGAGCATCAGACAGCCTGTG
ACTCATACTGGACATCAGTCCACCCTGAATACTGGACTAAGCGCCATGTGTGGGAGTGGC
TCCAGTTCTGCTGCGACCAGTACAAGTTGGACACCAATTGCATCTCCTTCTGCAACTTCA
ACATCAGTGGCCTGCAGCTGTGCAGCATGACACAGGAGGAGTTCGTTCGAGGCAGCTGGCC
TCTGCGGCGAGTACCTGTACTTTCATCCTCCAGAACATCCGCACACAAGGTTACTCCTTTT
TTAATGACGCTGAAGAAAGCAAGGCCACCATCAAAGACTATGCTGATTCCAAGTCTTGA
AAACAAGTGGCATCAAAAGTCAAGACTGTCACAGTCATAGTAGAACAAGCCTCCAAAGTT
CTCATCTATGGGAATTTGTACGAGACCTGCTTCTATCTCCTGAAGAAAAGTGTGGCATT
TGGAAATGGGAAGATAGGGAACAAGGAATTTTTCGGGTGGTTAAATCGGAAGCCCTGGCAA
AGATGTGGGACAAAGGAAGAAAAATGACAGAATGACATATGAAAAGTTGAGCAGAGCCC
TGAGATACTACTATAAACAGGAATTTTGGAGCGGGTTGACCGAAGGTTAGTGTACAAAT
TTGGAAAAAATGCACACGGGTGGCAGGAAGACAAGCTATGATCTGCTCCAGGCATCAAGC
TCATTTTATGGATTTCTGTCTTTTAAAAAATCAGATTGCAATAGACATTCGAAAGGCTT
CATTTTCTTCTTTTTTTTTTAACTGCAAAATGCTGATAAAATTTCTCCACATCTCA
GCTTACATTTGGATTGAGAGTTGTTGTCTACGGAGGGTGAGAGCAGAACTCTTAAGAAA
TCCTTTCTTCCCTAAGGGGATGAGGGGATGATCTTTTGTGGTGTCTTGATCAAATTT
ATTTTCTAGAGTTGTTGGAATGACAACAGCCCATGCCATTGATGCTGATCAGAGAAAAAC
TATTCATTTCTGCCATTAGAGACACATCCAATGCTCCCATCCCAAAGGTTCAAAGTTTT
CAAATACTGTGGCAGXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CACTATGTTGCCAGGGCTGGTCTTGAATCCTATGCTCAGGTGATCCTCCACCTCGGC
CTCCCAAAGTACTGTGATTACAAGCGTGAGCCACGGCACCTGGGCAGAAAAGTATCTTAA
TTAATGAAAGAGCTAAGCCATCAAGCTGGGACTTAATTGGATTTAACATAGGTTACAGA
AAGTTTCCTAACCAGAGCATCTTTTTGACCACTCAGCAAACTCCACAGACATCCTTCT
GGACTTAAACACTTAACATTAACCACATTATTAATTGTTGCTGAGTTTATTTCCCCTTCT
AACTGATGGCTGGCATCTGATATGCAGAGTTAGTCAACAGACACTGGCATCAATTACAAA
ATCACTGCTGTTTCTGTGATTCAAGCTGTCAACACAATAAAATCGAAATTCATTGATTCC
ATCTCTGGTCCAGATGTTAAACGTTTATAAAACCGGAAATGTCCTAACAACTCTGTAATG
GCAAAATTAATTTGTGTCTTTTTTGTGTTTCTACCTGATGTGTATTCAAGTGTCT
ATAACACGATTTTCTTGACAAAAATAGTGACAGTGAATTCACACTAATAAATGTTTCATA
GGTTAAAGTCTGCACTGACATTTTCTCATCAATCACTGGTATGTAAGTTATCAGTGACTG
ACAGCTAGGTGGACTGCCCTAGGACTTCTGTTTACCAGAGCAGGAATCAAGTGGTGAG
GCACTGAATCGCTGTACAGGCTGAAGACCTCCTTATTAGAGTTGAACTTCAAAGTAACTT
GTTTTAAAAAATGTGAATTAAGTAAAAAATCTATTTTGGATTGATGTGTTTTCCAGGT
GGATATAGTTTGTAAACAATGTGAATAAAGTATTTAACATGTTAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_001422 unedited
 AGCAATTTGTAATACGAACTCACTATAGGGCGGCCGCGATTTCGGCACGAGGGTGTCTTTA
 TTTCCACTGCACGCTGGTGTCTGGGAGCGCTGCCTTCTCTTGCCTTGAAAGCCTCCTCTT
 TGGACCTAGCCACCGCTGCCCTCACGGTAATGTTGGACTCGGTGACACACAGCACCTTCC
 TGCCTAATGCATCCTTCTGCGATCCCCTGATGTCGTGGACTGATCTGTTCCAGCAATGAAG
 AGTACTACCCTGCCTTTGAGCATCAGACAGCCTGTGACTCATACTGGACATCAGTCCACC
 CTGAATACTGGACTAAGCGCCATGTGTGGGAGTGGCTCCAGTTCTGCTGCGACCAGTACA
 AGTTGGACACCAATTGCATCTCCTTCTGCAACTTCAACATCAGTGGCCTGCAGCTGTGCA
 GCATGACACAGGAGGAGTTCGTGCGAGGCAGCTGGCCTCTGCGGGGAGTACCTGTACTTCA
 TCCTCCAGAACATCCGCACACAAGGTTACTCCTTTTTTAAATGACGCTGAAGAAAGCAAGG
 CCACCATCAAAGACTATGCTGATTCCAAGTCTTGAACAAAGTGGCATCAAAAGTCAAG
 ACTGTCACAGTCATAGTAGAACAAAGCCTCCAAAGTTCTCATCTATGGGAATTTGTACGAG
 ACCTGCTTCTATCTCCTGAAGAAAAGTGTGGCATTCTGGAATGGGAAGATAGGGAACAAG
 GAATTTTTCGGGTGGTAAATCGGAAGCCCTGGCAAAGATGTGGGACANAGGAAGAAAA
 AATGACAGAATGACATATGAAAAGTGAGCAGAGCCCTGAGATACTACTATANAACAGGAA
 AATTTGGAGCGGNTGACCGAANGTTAGTGTACAAATTGNAAAAATGCACACGGGTGGC
 ANGAAGACAGCTATGATCTGCTCCAGCATCAGCTCATTTATGGATTCTGTCTTTAAACAT
 CAGATGCATAGACATCGAAGGCTCATTTCTCTTTTTT

3' Read Nucleotide Sequence: >OriGene 3' read for NM_001422 unedited
 ACCGCGGCCGCTATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTAAACAGGGTAAACTTTTATTACATTGGTTACAAACTATTTCCACCTGG
 AAAACACATGAATCCAAAATAGATTATTTTACAGTAATTCACATTTTTTAAAACAAGTTA
 CTTTGAAGTTCAACTTTAATAAGGGGTCTTTACCCTGTACAGCGATTACAGGCTCACC
 ACTTGATTCTGCTTTGGGAAACAAAAGTCTAGGGGACGCCACCTAGCTGGCAGTCA
 CTGATAACTTACATACCAGGGATTGATGAAAAATGTCAGGGCAAACCTTAACTATGAA
 CATTTATTAGGGGAATCCACTGGCACTATTTTGAAGGAAATACGTGTTATACCCTT
 TGAATACCCCTCAGGTGAAAAGACAAAACAAAAAGACCCCTTTTAAATTTGCCATTA
 CAGAGTTGTTAGGACATTTCCGGGTTTATAAACGTTCAACATCGGGCCCAGAAAGGGAAT
 CAAGGAATTCCTATCTTATTGGTGTGACCGCCTGAATAACAAAACAGCCCGGATTTGT
 ATTGGTGCAGGGTTTGGGGAACACCCTTGCTATCACCGCCCTCCCTCCCTCTGAGAG
 GGGGAATACACTACCACCATTACAACAGGGGGTCAAGGCGAAGCGGCTAAACCCAC
 ACGCATTACATGCGGACAATTTCCCGTAAGGGCACAAAAATGTTCTGGGCTAAAGAAA
 TGTCTTGGCGACCTTGTGTAACCCATTACATCCCTTGTGTGGTTAACCTCTTTA
 TTATCTCCACACATATTTCCCGCCGCGCCGAATAACCGCTTTATCCACACCTCC
 ATAGTCCCGCCTCGGGTGGGGCGACTTCCATTTCTCAGCATGCGCAACCAGTAGAT
 GGAACCATACAAAG

Restriction Sites: NotI-NotI

ACCN: NM_001422

Insert Size: 2390 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001422.2 , NP_001413.1
RefSeq Size:	2317 bp
RefSeq ORF:	768 bp
Locus ID:	2001
UniProt ID:	Q9UKW6
Cytogenetics:	11p13
Domains:	ETS, SAM_PNT
Protein Families:	Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a member of an epithelium-specific subclass of the Ets transcription factor family. In addition to its role in regulating the later stages of terminal differentiation of keratinocytes, it appears to regulate a number of epithelium-specific genes found in tissues containing glandular epithelium such as salivary gland and prostate. It has very low affinity to DNA due to its negative regulatory domain at the amino terminus. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2, also called ESE-2b) has a shorter and distinct N-terminus compared to isoform 1.</p>